

AMENDMENTS TO THE CLAIMS

Claims 1-20 (Cancelled)

21. (New) A projection type image display apparatus, comprising:

a light source;

an illumination optical system;

a reflection image display device;

a projection lens;

a reflection polarizing plate which functions as polarizer and analyzer for said reflection image display device by diffraction; and

an astigmatism corrector which is located between said reflection polarizing plate and said projection lens in a light path and corrects astigmatism which occurs with said reflection polarizing plate;

wherein an image light reflected by said reflection image display device is irradiated on a working plane side of said reflection polarizing plate, and then reaches said projection lens after passing through said reflection polarizing plate.

22. (New) A projection type image display apparatus as defined in claim 21, further comprising at least one of:

an auxiliary polarizer which is located between said light source and said reflection polarizing plate in the light path; and

an auxiliary analyzer which functions as an analyzer located between said reflection polarizing plate and said projection lens in said light path.

23. (New) A projection type image display apparatus as defined in claim 21, further comprising a dichroic mirror group which separates the light from said light source into red light, green light and blue light; and a cross dichroic prism which combines red light, green light and blue light from said reflection image display device, wherein said reflection image display device and said reflection polarizing plate each comprises three pieces: an object for the red light, an object for the green light, and an object for the blue light, respectively.

24. (New) A projection type image display apparatus as defined in claim 23, further comprising half-wave plates located between said reflection image display device for red light and said cross dichroic prism, and between said reflection image display device for blue light and said cross dichroic prism.

25. (New) A projection type image display apparatus as defined in claim 21, wherein a reflection axis of said reflection polarizing plate is adjusted around a working plane of said reflection polarizing plate.

26. (New) A projection type image display apparatus as defined in claim 22,

wherein a reflection axis of said reflection polarizing plate is adjusted around a working plane of said reflection polarizing plate.

27. (New) A projection type image display apparatus as defined in claim 26,  
wherein at least one of an absorption or a reflection axis of said auxiliary polarizer and an absorption axis of said auxiliary analyzer is rotated around an optical axis.

28. (New) A projection type image display apparatus as defined in claim 26,  
wherein at least one of an absorption or a reflection axis of said auxiliary polarizer and an absorption axis of said auxiliary analyzer is rotated around an optical axis in a way to decrease an angle difference from a reflection axis of said reflection polarizing plate, by a second predetermined angle based on a characteristic of said reflection image display device.